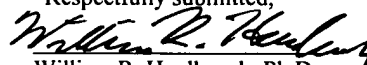


02570 U.S. PTO  
020404

Express Mail Mailing Label No.: EV 334229382 US

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	MFL-003
	First Named Inventor	Yu
	Title	APPARATUS AND METHODS FOR PERFORMING PROCESS SIMULATION USING A HYBRID MODEL

<b>APPLICATION ELEMENTS</b>		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (with copy) 2. <input checked="" type="checkbox"/> Small Entity Status <input checked="" type="checkbox"/> Applicant claims small entity status <input type="checkbox"/> Status established in prior application and is still proper and desired		<b>ACCOMPANYING APPLICATION PARTS</b>	
3. <input checked="" type="checkbox"/> Specification and Drawings [Total Pages <u>83</u> ] - Written Description - ( <u>55</u> pages) - Claims - ( <u>11</u> pages) - Abstract - (1 page) - Sheets of Drawings - ( <u>16</u> sheets) <input checked="" type="checkbox"/> Formal <input type="checkbox"/> Informal		8. <input type="checkbox"/> 37 CFR 3.73(b) Statement ( <i>when there is an assignee</i> ) <input type="checkbox"/> Power of Attorney	
4. <input type="checkbox"/> Oath or Declaration [Total Pages     ] a. <input type="checkbox"/> Newly executed (original) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> <i>[Note Box 5 below]</i>		9. <input type="checkbox"/> English Translation Document ( <i>if applicable</i> ) 10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
5. <input type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked) The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		11. <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Drawings [Total Sheets     ]	
6. <input checked="" type="checkbox"/> Application Data Sheet (2 pgs.) 7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <input type="checkbox"/> Computer Readable Form (CRF) <input type="checkbox"/> Paper Copy (identical to computer copy) <input type="checkbox"/> CD (2 copies) (identical to computer copy) <input type="checkbox"/> Statement verifying identity of above copies		12. <input checked="" type="checkbox"/> Return Receipt Postcard ( <i>specifically itemized</i> ) 13. <input type="checkbox"/> Certified Copy of Priority Document(s) ( <i>if foreign priority claimed</i> ) 14. <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)	
15. <input type="checkbox"/> CD in duplicate for large table or computer program		16. <input checked="" type="checkbox"/> Other: • Petition For Use of Color Drawings as Formal Drawings Under 37 C.F.R. § 1.84(a)(2) (2 pgs.) • 3 sets of color drawings (6 sheets) • one set of black and white photocopies of color drawings (2 sheets)	
17. <input type="checkbox"/> If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence: --This is a <input type="checkbox"/> continuation <input type="checkbox"/> divisional <input type="checkbox"/> continuation-in-part of prior application Serial No.     /     , filed on     , the entire disclosure of which is incorporated by reference herein.-- <b>Priority to the above application(s) is claimed under 35 U.S.C. 120.</b> Prior application information: Examiner:     . Group/Art Unit:     .			
18. <input checked="" type="checkbox"/> Priority - 35 U.S.C. 119 <input checked="" type="checkbox"/> Priority of application Serial No. <u>60/445,182</u> filed on <u>February 5, 2003</u> in <u>U.S.</u> is claimed under 35 U.S.C. 119.			
<b>CORRESPONDENCE ADDRESS</b>		<b>SIGNATURE BLOCK</b>	
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100 Customer No. 021323		Respectfully submitted,  Date: February 4, 2004 Reg. No.: 53,002 Tel. No.: (617) 310-8427 Fax No.: (617) 248-7100 William R. Haulbrook, Ph.D. Attorney for Applicants Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110	

3014251

# **FEE TRANSMITTAL** **FY 2004**

Complete if Known

Application Serial Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Yu
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	MFL-003

**METHOD OF PAYMENT**

1. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.  
☐ Required Fees (copy of this sheet enclosed).  
☒ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.

3. ☒ Applicant claims small entity status.

**FEE CALCULATION****1. FILING FEE****Large Entity**

Fee (\$)	Fee Description	Fee Paid
770	Utility filing fee	\$ 770.00
340	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
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Total Claims	84	- 20 = 64	x \$ 18.00	\$1,152.00
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Independent Claims	5	- 3 = 2	x \$ 86.00	\$172.00
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☐ Multiple Dependent Claim(s), if any \$290.00

TOTAL: \$2,094.00

SMALL ENTITY DISCOUNT: \$1,047.00

SUBTOTAL (1) (\$ 1,047.00)

**2. AMENDMENT CLAIM FEES**

Claims	Highest No.	Present	Rate	Fee Paid
Remaining After Amend.	Previously Paid For	Extra		

Total	-	=	x \$ 18.00 =	
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Indep.	-	=	x \$ 86.00 =	
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<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$290.00 =	
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TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$ 0)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1480	740	Extension for reply within fourth month	
2010	1005	Extension for reply within fifth month	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
130	130	Petitions to the Commissioner	\$ 130.00
180	180	Submission of Information Disclosure Statement	
770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
770	385	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
110	55	Submission of Terminal Disclaimer	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$ 130.00)

SUBTOTAL (1) \$1,047.00

SUBTOTAL (2) 0

SUBTOTAL (3) 130.00

TOTAL (\$ 1,177.00)

**CORRESPONDENCE ADDRESS**

Direct all correspondence to:

Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower-125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

**SIGNATURE BLOCK**

Respectfully submitted,  
 Date: February 4, 2004  
 Reg. No.: 53,002  
 Tel. No.: (617) 310-8427  
 Fax No.: (617) 248-7100

*William R. Haulbrook*  
 William R. Haulbrook, Ph.D.  
 Attorney for the Applicants  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower-125 High Street  
 Boston, MA 02110

PATENT  
Attorney Docket No.: MFL-003  
(5407/9)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Yu *et al.*  
SERIAL NO.: Not yet assigned      GROUP NO.: Not Yet Assigned  
FILING DATE: Herewith      EXAMINER: Not Yet Assigned  
TITLE: APPARATUS AND METHODS FOR PERFORMING PROCESS  
SIMULATION USING A HYBRID MODEL

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PETITION FOR USE OF COLOR DRAWINGS AS FORMAL DRAWINGS  
UNDER 37 C.F.R. § 1.84(a)(2)

Applicants submit this petition to request acceptance of color drawings as formal drawings in the above-referenced U.S. patent application. As required under 37 C.F.R. § 1.84(a)(2), Applicants herein include:

- the fee set forth in § 1.17(h);
- three (3) sets of color drawings; and
- a black and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the color drawings.

The paragraph required by § 1.84(a)(2)(iv) is already present in the Brief Description of the Drawings section of the Specification of the above-referenced U.S. patent application.

In accordance with § 1.84(a)(2) and § 1.17(h), this petition is accompanied by a check for the petition filing fee of \$130.00. However, should any other fees be required for this petition to

be considered, the Commissioner is authorized to charge deposit account number 20-0531.

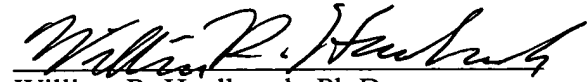
Applicants submit that all requirements of 37 C.F.R. § 1.84(a)(2) and § 1.17(h) are satisfied, and Applicants respectfully request that the color drawings be accepted as formal drawings in the above-referenced nonprovisional U.S. patent application.

Date: February 4, 2004  
Reg. No.: 53,002

Tel. No.: (617) 310-8427  
Fax No.: (617) 248-7100

3014278

Respectfully submitted,

  
William R. Haulbrook, Ph.D.  
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125 High Street  
Boston, Massachusetts 02110